

Edson A Ticianelli

List of Publications by Year in descending order

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221
papers

11,792
citations

24978

57
h-index

33814

99
g-index

225
all docs

225
docs citations

225
times ranked

9408
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical transformation of Fe-N-C catalysts into iron oxides in alkaline medium and its impact on the oxygen reduction reaction activity. <i>Applied Catalysis B: Environmental</i> , 2022, 311, 121366.	10.8	22
2	Oxygen reduction reaction mechanism and kinetics on M-N _x C _y and M@N-C active sites present in model M-N-C catalysts under alkaline and acidic conditions. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 45-56.	1.2	59
3	Effect of Substrate and Pyrolysis Atmosphere of FeN _x Materials on Electrocatalysis of the Oxygen Reduction Reaction. <i>Electrocatalysis</i> , 2021, 12, 548-563.	1.5	4
4	Enhanced production of methane through the use of a catalytic Ni-Fe pre-layer in a solid oxide co-electrolyser. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5134-5142.	3.8	13
5	The role of CuSn alloy in the co-electrolysis of CO ₂ and H ₂ O through an intermediate temperature solid oxide electrolyser. <i>Journal of Energy Storage</i> , 2020, 27, 100820.	3.9	6
6	CO ₂ electroreduction to fuels on mesoporous carbon-embedded copper nanoparticles. <i>Sustainable Energy and Fuels</i> , 2020, 4, 6045-6053.	2.5	6
7	PEM fuel cells fed by hydrogen from ethanol dehydrogenation reaction: Unveiling the poisoning mechanisms of the by-products. <i>Electrochimica Acta</i> , 2020, 355, 136773.	2.6	4
8	Preface to special issue on the "Hydrogen Power Theoretical and Engineering Solutions" International Symposium (Hypothesis XIV). <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25625-25626.	3.8	0
9	Oxygen Reduction Reaction on Metal and Nitrogen-Doped Carbon Electrocatalysts in the Presence of Sodium Borohydride. <i>Electrocatalysis</i> , 2020, 11, 365-373.	1.5	8
10	3-Triethylammonium propane sulfonate ionic liquids for Nafion-based composite membranes for PEM fuel cells. <i>Journal of Materials Science</i> , 2020, 55, 6928-6941.	1.7	19
11	Oxygen Evolution Reaction on Tin Oxides Supported Iridium Catalysts: Do We Need Dopants?. <i>ChemElectroChem</i> , 2020, 7, 2330-2339.	1.7	48
12	Role of Transition Metals on TM/Mo ₂ C Composites: Hydrogen Evolution Activity in Mildly Acidic and Alkaline Media. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27150-27165.	4.0	20
13	Electrocatalytic Oxidation of Methanol, Ethanol, and Glycerol on Ni(OH) ₂ Nanoparticles Encapsulated with Poly[Ni(salen)] Film. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30810-30818.	4.0	64
14	The influence of ionic liquids cation on the properties of sulfonated poly (ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (ket	1.8	29
15	Electrochemical Reduction of CO ₂ on Nitrogen-Doped Carbon Catalysts With and Without Iron. <i>ChemElectroChem</i> , 2019, 6, 4626-4636.	1.7	17
16	Oxygen evolution on gold: The effects of alkali-metal cations and iron impurities from alkaline electrolytes. <i>Journal of Catalysis</i> , 2019, 378, 277-282.	3.1	7
17	Oxygen Reduction on Platinum Surfaces in Acid Media: Experimental Evidence of a CECE/DISP Initial Reaction Path. <i>ACS Catalysis</i> , 2019, 9, 2238-2251.	5.5	29
18	The degradation of Pt/IrO _x oxygen bifunctional catalysts. <i>Electrochimica Acta</i> , 2019, 308, 400-409.	2.6	26

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19	Hydrogen evolution reaction on copper: Promoting water dissociation by tuning the surface oxophilicity. <i>Electrochemistry Communications</i> , 2019, 100, 30-33.	2.3	72
20	Non-Noble Fe-Nx/C Electrocatalysts on Tungsten Carbides/N-Doped Carbons for the Oxygen Reduction Reaction. <i>Electrocatalysis</i> , 2019, 10, 134-148.	1.5	8
21	Solid Oxide Fuel Cell Fed Directly with Dry Glycerol. <i>Energy Technology</i> , 2019, 7, 45-47.	1.8	10
22	Photoelectrochemical Oxidation of Ethanol under Visible Light Irradiation on TaON-Based Catalysts. <i>Journal of the Electrochemical Society</i> , 2018, 165, F123-F131.	1.3	8
23	Activity and Electrochemical Stability of Pt and Pt ₂ Ni-WC/C Catalysts for the Oxygen Reduction Reaction in Acid Media. <i>ChemElectroChem</i> , 2018, 5, 1364-1372.	1.7	7
24	Support modification in Pt/C electrocatalysts for durability increase: A degradation study assisted by identical location transmission electron microscopy. <i>Electrochimica Acta</i> , 2018, 265, 523-531.	2.6	21
25	Activity and Stability of Pt/IrO ₂ Bifunctional Materials as Catalysts for the Oxygen Evolution/Reduction Reactions. <i>ACS Catalysis</i> , 2018, 8, 2081-2092.	5.5	167
26	Oxygen reduction electrocatalysis on transition metal-nitrogen modified tungsten carbide nanomaterials. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 222-231.	1.9	23
27	A reviewed vision of the oxygen reduction reaction mechanism on Pt-based catalysts. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 129-136.	2.5	34
28	Dynamics of electrochemical Pt dissolution at atomic and molecular levels. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 123-129.	1.9	74
29	Prospective on the Use of Nanostructured Magnesium Alloys as Anode Materials for Ni-MH Rechargeable Batteries. , 2018, , 251-276.		1
30	Insertion/Disinsertion of Hydrogen in Tailored Pd Layers Deposited on Pt(111) Surface in Alkaline and Acidic Medium. <i>Electrocatalysis</i> , 2018, 9, 258-263.	1.5	1
31	Solid oxide fuel cells fed with dry ethanol: The effect of a perovskite protective anodic layer containing dispersed Ni-alloy @ FeOx core-shell nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 98-110.	10.8	64
32	ETFE-based anion-exchange membrane ionomer powders for alkaline membrane fuel cells: a first performance comparison of head-group chemistry. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24330-24341.	5.2	67
33	Dissolution Stability: The Major Challenge in the Regenerative Fuel Cells Bifunctional Catalysis. <i>Journal of the Electrochemical Society</i> , 2018, 165, F1376-F1384.	1.3	33
34	Utilization of graphitized and fluorinated carbon as platinum nanoparticles supports for application in proton exchange membrane fuel cell cathodes. <i>Journal of Power Sources</i> , 2018, 404, 28-38.	4.0	16
35	Reaction Mechanism for Oxygen Reduction on Platinum: Existence of a Fast Initial Chemical Step and a Soluble Species Different from H ₂ O ₂ . <i>ACS Catalysis</i> , 2018, 8, 7931-7943.	5.5	49
36	Activity and Stability of Dispersed Multi Metallic Pt-based Catalysts for CO Tolerance in Proton Exchange Membrane Fuel Cell Anodes. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 697-718.	0.3	8

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37	An electrochemical furosemide sensor based on pencil graphite surface modified with polymer film Ni-salen and Ni(OH) ₂ /C nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 378-387.	4.0	35
38	Uniformly self-decorated Co ₃ O ₄ nanoparticles on N, S co-doped carbon layers derived from a camphor sulfonic acid and metal-organic framework hybrid as an oxygen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12106-12114.	5.2	36
39	Pd-M/C (M = Pd, Cu, Pt) Electrocatalysts for Oxygen Reduction Reaction in Alkaline Medium: Correlating the Electronic Structure with Activity. <i>Langmuir</i> , 2017, 33, 2734-2743.	1.6	44
40	Effect of temperature on the activities and stabilities of hydrothermally prepared IrOx nanocatalyst layers for the oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 287-297.	10.8	78
41	Effect of transition metals in the hydrogen evolution electrocatalytic activity of molybdenum carbide. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 600-610.	10.8	37
42	Electrocatalytic activity of platinum nanoparticles supported on different phases of tungsten carbides for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20677-20688.	3.8	31
43	Nickel-Iron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid Oxide Fuel Cell Anode Fed with Biofuels. <i>ChemCatChem</i> , 2016, 8, 648-655.	1.8	16
44	A catalyst layer optimisation approach using electrochemical impedance spectroscopy for PEM fuel cells operated with pyrolysed transition metal-N-C catalysts. <i>Journal of Power Sources</i> , 2016, 323, 189-200.	4.0	37
45	Investigation of carbon supported PtW catalysts as CO tolerant anodes at high temperature in proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , 2016, 325, 375-382.	4.0	12
46	In situ X-ray Diffraction Investigation of Hydrogen Storage Alloys During Charge and Discharge. <i>ChemistrySelect</i> , 2016, 1, 710-714.	0.7	0
47	Mechanistic Insights into the Oxygen Reduction Reaction on Metal-N-C Electrocatalysts under Fuel Cell Conditions. <i>ChemElectroChem</i> , 2016, 3, 1580-1590.	1.7	31
48	Electrocatalytic Activity of Different Phases of Molybdenum Carbide/Carbon and Platinum-Molybdenum Carbide/Carbon Composites toward the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2016, 3, 1570-1579.	1.7	30
49	Investigation of the electrochemical oxidation reaction of the borohydride anion in palladium layers on Pt(111). <i>Electrochimica Acta</i> , 2016, 209, 360-368.	2.6	19
50	Borohydride electrooxidation reaction on Pt(111) and Pt(111) modified by a pseudomorphic Pd monolayer. <i>Electrochimica Acta</i> , 2016, 190, 790-796.	2.6	23
51	Analysis of the electrocatalytic activity of γ -molybdenum carbide thin porous electrodes toward the hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2016, 220, 363-372.	2.6	18
52	Electrocatalytic Activity and Stability of Platinum Nanoparticles Supported on Carbon-Molybdenum Oxides for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2015, 2, 1298-1306.	1.7	22
53	Investigation of Ni-based alloy/CGO electro-catalysts as protective layer for a solid oxide fuel cell anode fed with ethanol. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 647-656.	1.5	30
54	Potential applications of the hydrogen and the high energy biofuel blend produced by ethanol dehydrogenation on a Cu/ZrO ₂ catalyst. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14716-14722.	3.8	15

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55	Surface spectators and their role in relationships between activity and selectivity of the oxygen reduction reaction in acid environments. <i>Electrochemistry Communications</i> , 2015, 60, 30-33.	2.3	25
56	Accelerated degradation of Pt ₃ Co/C and Pt/C electrocatalysts studied by identical-location transmission electron microscopy in polymer electrolyte environment. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 486-499.	10.8	40
57	New, efficient and viable system for ethanol fuel utilization on combined electric/internal combustion engine vehicles. <i>Journal of Power Sources</i> , 2015, 294, 569-573.	4.0	9
58	Effect of Addition of Ru and/or Fe in the Stability of PtMo/C Electrocatalysts in Proton Exchange Membrane Fuel Cells. <i>Electrocatalysis</i> , 2015, 6, 512-520.	1.5	13
59	Pt modified tungsten carbide as anode electrocatalyst for hydrogen oxidation in proton exchange membrane fuel cell: CO tolerance and stability. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 611-619.	10.8	59
60	Nickel-Copper/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid Oxide Fuel Cell Anode Fed with Ethanol. <i>ChemElectroChem</i> , 2014, 1, 1395-1402.	1.7	24
61	(Plenary) Substrate Effects on the Activity and Stability of Nanoparticulated Electrocatalysts for the H ₂ /O ₂ Fuel Cell Reactions. <i>ECS Transactions</i> , 2014, 64, 47-60.	0.3	0
62	NiMnOx/C: A Non-noble Ethanol-Tolerant Catalyst for Oxygen Reduction in Alkaline Exchange Membrane DEFC. <i>Electrocatalysis</i> , 2014, 5, 41-49.	1.5	24
63	The Borohydride Oxidation Reaction on La-Ni-Based Hydrogen-Storage Alloys. <i>ChemPhysChem</i> , 2014, 15, 2170-2176.	1.0	5
64	The role of water in the degradation of Pt ₃ Co/C nanoparticles: An Identical Location Transmission Electron Microscopy study in polymer electrolyte environment. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 301-306.	10.8	36
65	Hydrogen Production on an Ethanol Dehydrogenation Reactor Coupled to a Conventional PEMFC. <i>ECS Transactions</i> , 2014, 64, 999-1005.	0.3	2
66	Molybdenum carbide-based electrocatalysts for CO tolerance in proton exchange membrane fuel cell anodes. <i>Electrochimica Acta</i> , 2014, 142, 307-316.	2.6	23
67	Effect of heat treatment on the activity and stability of carbon supported PtMo alloy electrocatalysts for hydrogen oxidation in proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2014, 247, 712-720.	4.0	35
68	Nanostructured Electrocatalysts for Methanol and Ethanol-Tolerant Cathodes. , 2014, , 99-119.		1
69	Real-time determination of CO ₂ production and estimation of adsorbate coverage on a proton exchange membrane fuel cell under oscillatory operation. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1851-1859.	1.2	11
70	In situ Fourier transform infrared spectroscopy and on-line differential electrochemical mass spectrometry study of the NH ₃ BH ₃ oxidation reaction on gold electrodes. <i>Electrochimica Acta</i> , 2013, 89, 607-615.	2.6	46
71	Microstructures and electrochemical properties of Mg ₄₉ Ti ₆ Ni _(45-x) M _x (M = Pd and Pt) alloy electrodes. <i>International Journal of Energy Research</i> , 2013, 37, 706-712.	2.2	14
72	Carbon-supported nickel-doped manganese oxides as electrocatalysts for the oxygen reduction reaction in the presence of sodium borohydride. <i>Journal of Power Sources</i> , 2013, 222, 305-312.	4.0	42

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73	Altering the adsorptive and electronic properties of Pt through poly(vinyl alcohol) adsorption. <i>Electrochimica Acta</i> , 2013, 104, 358-366.	2.6	5
74	CO tolerance of proton exchange membrane fuel cells with Pt/C and PtMo/C anodes operating at high temperatures: A mass spectrometry investigation. <i>Electrochimica Acta</i> , 2013, 88, 217-224.	2.6	45
75	An investigation of the borohydride oxidation reaction on LaNi-based hydrogen storage alloys. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 7344-7352.	3.8	20
76	Microstructures and electrode performances of Mg ₅₀ Ni(50-X)Pdx alloys. <i>Open Chemistry</i> , 2013, 11, 485-491.	1.0	4
77	Magnesium Alloys as Anode Materials for Ni-MH Batteries: Challenges and Opportunities for Nanotechnology. , 2013, , 179-200.		0
78	Identical-Location Transmission Electron Microscopy Study of Pt/C and PtCo/C Nanostructured Electrocatalyst Aging: Effects of Morphological and Compositional Changes on the Oxygen Reduction Reaction Activity. <i>Electrocatalysis</i> , 2013, 4, 104-116.	1.5	44
79	Investigation of the oxygen reduction reaction on PtWC/C electrocatalysts in alkaline media. <i>Electrochimica Acta</i> , 2013, 106, 453-459.	2.6	30
80	Identical Location Transmission Electron Microscopy in Polymer Electrolyte Environment Application to the Degradation of Pt/C and Pt ₃ Co/C Electrocatalysts Under Accelerated Aging Tests. <i>ECS Meeting Abstracts</i> , 2013, , .	0.0	0
81	Mechanistic changes observed in heavy water for nitrate reduction reaction on palladium-modified Pt(hkl) electrodes. <i>Chemical Science</i> , 2012, 3, 3063.	3.7	18
82	Borohydride electrooxidation on Au and Pt electrodes. <i>Electrochimica Acta</i> , 2012, 84, 202-212.	2.6	91
83	Electrodeposition of PVA-protected PtCo electrocatalysts for the oxygen reduction reaction in H ₂ SO ₄ . <i>Journal of Power Sources</i> , 2012, 197, 97-101.	4.0	18
84	In Situ Infrared (FTIR) Study of the Mechanism of the Borohydride Oxidation Reaction on Smooth Pt Electrode. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12439-12447.	1.5	68
85	Electrochemical properties of palladium adlayers on Pt(110) substrates. <i>Journal of Electroanalytical Chemistry</i> , 2011, 660, 276-284.	1.9	10
86	The effect of electrochemical CO annealing on platinumcobalt nanoparticles in acid medium and their correlation to the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2011, 58, 172-178.	2.6	16
87	Potential oscillations in a proton exchange membrane fuel cell with a PdPt/C anode. <i>Journal of Power Sources</i> , 2011, 196, 84-89.	4.0	41
88	Mass transport effects in the borohydride oxidation reactionInfluence of the residence time on the reaction onset and faradaic efficiency. <i>Catalysis Today</i> , 2011, 170, 110-119.	2.2	57
89	Borohydride Oxidation on Platinum Electrodes - Is Platinum Really a Faradaic Inefficient BOR Electrocatalyst. <i>ECS Transactions</i> , 2011, 41, 1719-1727.	0.3	3
90	Evaluation of Several Carbon-Supported Nanostructured Ni-Doped Manganese Oxide Materials for the Electrochemical Reduction of Oxygen. <i>Journal of the Electrochemical Society</i> , 2011, 158, B290.	1.3	32

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91	Study of the Borohydride Oxidation Reaction on Gold in Alkaline Medium Using On-Line Mass Spectrometry. ECS Transactions, 2010, 25, 39-48.	0.3	10
92	Electro-oxidation of Ethanol on Rh/Pt and Ru/Rh/Pt Sub-monolayers Deposited on Au/C Nanoparticles. Electrocatalysis, 2010, 1, 72-82.	1.5	14
93	CO Tolerance of PEMFC Anodes: Mechanisms and Electrode Designs. Electrocatalysis, 2010, 1, 200-212.	1.5	47
94	The CO tolerance pathways on the Pt-Ru electrocatalytic system. Journal of Electroanalytical Chemistry, 2010, 644, 110-116.	1.9	42
95	Degradation study of Pt-based alloy catalysts for the oxygen reduction reaction in proton exchange membrane fuel cells. Journal of Electroanalytical Chemistry, 2010, 648, 156-162.	1.9	22
96	Electrocatalysis of the hydrogen oxidation in the presence of CO on RhO ₂ /C-supported Pt nanoparticles. Electrochimica Acta, 2010, 56, 418-426.	2.6	8
97	PEMFC Oscillatory Behavior on a Pd-Pt/C Electrocatalyst. ECS Transactions, 2010, 33, 1-10.	0.3	2
98	Borohydride Oxidation on Pt-Based Electrodes: Evidence of Residence Time Effect on the Reaction Onset and Faradaic Efficiency. ECS Transactions, 2010, 33, 1693-1699.	0.3	4
99	Gold is not a Faradaic-Efficient Borohydride Oxidation Electrocatalyst: An Online Electrochemical Mass Spectrometry Study. Journal of the Electrochemical Society, 2010, 157, B697.	1.3	88
100	Structural and electrochemical characteristics of Mg(55%)Ti Ni(45%)Pt metal hydride electrodes. Journal of Alloys and Compounds, 2010, 498, 57-61.	2.8	11
101	In situ infrared (FTIR) study of the mechanism of the borohydride oxidation reaction. Physical Chemistry Chemical Physics, 2010, 12, 11507.	1.3	69
102	Complex Oscillatory Response of a PEM Fuel Cell Fed with H ₂ /CO and Oxygen. Journal of the Electrochemical Society, 2010, 157, B1301.	1.3	43
103	Investigation of the CO tolerance mechanism at several Pt-based bimetallic anode electrocatalysts in a PEM fuel cell. Electrochimica Acta, 2009, 54, 1992-1998.	2.6	103
104	Heat treatment effect of Pt-V/C and Pt/C on the kinetics of the oxygen reduction reaction in acid media. Electrochimica Acta, 2009, 54, 5246-5251.	2.6	43
105	Production of hydrogen via steam reforming of biofuels on Ni/CeO ₂ -Al ₂ O ₃ catalysts promoted by noble metals. International Journal of Hydrogen Energy, 2009, 34, 5049-5060.	3.8	173
106	Electrocatalysis of oxygen reduction on carbon-supported Pt-Co nanoparticles with low Pt content. Journal of Power Sources, 2009, 190, 293-300.	4.0	43
107	A performance and degradation study of Nafion 212 membrane for proton exchange membrane fuel cells. Journal of Power Sources, 2009, 193, 547-554.	4.0	103
108	Ethanol steam reforming for production of hydrogen on magnesium aluminate-supported cobalt catalysts promoted by noble metals. Applied Catalysis A: General, 2009, 360, 17-25.	2.2	53

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109	Nitrate reduction on Pt single crystals with Pd multilayer. <i>Electrochimica Acta</i> , 2009, 54, 2094-2101.	2.6	43
110	Complex Dynamics in a PEM Fuel Cell. <i>ECS Transactions</i> , 2009, 25, 81-89.	0.3	8
111	Effect of mechanical coating with Ni and Ni-5% Al on the structure and electrochemical properties of the Mg-50% Ni alloy. <i>Journal of Materials Science</i> , 2008, 43, 2889-2894.	1.7	25
112	Pt monolayer electrocatalysts for O ₂ reduction: PdCo/C substrate-induced activity in alkaline media. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 399-407.	1.2	33
113	Production of hydrogen by ethanol steam reforming on Co/Al ₂ O ₃ catalysts: Effect of addition of small quantities of noble metals. <i>Journal of Power Sources</i> , 2008, 175, 482-489.	4.0	83
114	Carbon-dispersed Pt-Rh nanoparticles for ethanol electro-oxidation. Effect of the crystallite size and of temperature. <i>Journal of Electroanalytical Chemistry</i> , 2008, 617, 121-129.	1.9	69
115	CO tolerance of PdPt/C and PdPtRu/C anodes for PEMFC. <i>Electrochimica Acta</i> , 2008, 53, 4309-4315.	2.6	111
116	Co/Al ₂ O ₃ catalysts promoted with noble metals for production of hydrogen by methane steam reforming. <i>Fuel</i> , 2008, 87, 2076-2081.	3.4	58
117	Electrocatalytic Properties of PtCo-C and PtNi-C alloys for the Oxygen Reduction Reaction in Alkaline Solution. <i>Journal of the Electrochemical Society</i> , 2007, 154, A369.	1.3	69
118	Effect of transition metal additions on the electrochemical properties of a MgNi-based alloy. <i>Journal of Alloys and Compounds</i> , 2007, 434-435, 756-759.	2.8	28
119	Catalytic Activity-d-Band Center Correlation for the O ₂ Reduction Reaction on Platinum in Alkaline Solutions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 404-410.	1.5	590
120	Influência de M/C (M = Mo, Cu, Fe e W) incorporado à camada difusora do eletrodo de difusão de gases frente à reação de oxidação de hidrogênio na presença de CO. <i>Quimica Nova</i> , 2007, 30, 1644-1648.	0.3	3
121	Estudo do efeito de tratamentos térmicos em catalisadores de PtRu/C frente à reação de oxidação de hidrogênio na presença de CO. <i>Quimica Nova</i> , 2007, 30, 1256-1260.	0.3	8
122	Electrocatalytic activity of manganese oxides prepared by thermal decomposition for oxygen reduction. <i>Electrochimica Acta</i> , 2007, 52, 3732-3738.	2.6	251
123	Electrocatalysis of oxygen reduction and hydrogen oxidation in platinum dispersed on tungsten carbide in acid medium. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 1541-1548.	1.2	39
124	Structural and electrochemical properties of MgNi-based alloys with Ti, Pt and Pd additives. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 4917-4924.	3.8	38
125	Estudo do efeito do tratamento superficial por moagem sobre as propriedades das partículas de uma liga de hidreto metálico. <i>Quimica Nova</i> , 2006, 29, 216-222.	0.3	2
126	CO tolerance effects of tungsten-based PEMFC anodes. <i>Electrochimica Acta</i> , 2006, 51, 4061-4066.	2.6	59

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127	Oxygen reduction reaction on nanosized manganese oxide particles dispersed on carbon in alkaline solutions. <i>Journal of Power Sources</i> , 2006, 158, 735-739.	4.0	107
128	Silver-cobalt bimetallic particles for oxygen reduction in alkaline media. <i>Journal of Power Sources</i> , 2006, 161, 806-812.	4.0	144
129	Investigations of the catalytic properties of manganese oxides for the oxygen reduction reaction in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2006, 590, 152-160.	1.9	242
130	Oxygen reduction reaction in acid medium on Pt-Ni/C prepared by a microemulsion method. <i>Journal of Electroanalytical Chemistry</i> , 2006, 596, 141-148.	1.9	80
131	Electrocatalytic activity of dispersed platinum and silver alloys and manganese oxides for the oxygen reduction in alkaline electrolyte. <i>Russian Journal of Electrochemistry</i> , 2006, 42, 1283-1290.	0.3	26
132	Carbon supported Pt-Cr alloys as oxygen-reduction catalysts for direct methanol fuel cells. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 355-362.	1.5	89
133	A new electrode material for nickel-metal hydride batteries: MgNiPt alloy prepared by ball-milling. <i>Journal of Power Sources</i> , 2006, 160, 1425-1430.	4.0	17
134	Studies of the performance of PEM fuel cell cathodes with the catalyst layer directly applied on Nafion membranes. <i>Electrochimica Acta</i> , 2006, 51, 5239-5245.	2.6	65
135	Pt-Co/C nanoparticles as electrocatalysts for oxygen reduction in H ₂ SO ₄ and H ₂ SO ₄ /CH ₃ OH electrolytes. <i>Electrochimica Acta</i> , 2006, 52, 385-393.	2.6	84
136	Double bed reactor for the simultaneous steam reforming of ethanol and water gas shift reactions. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 1204-1209.	3.8	38
137	Electrochemical performance of dispersed Pt-M (M =V, Cr and Co) nanoparticles for the oxygen reduction electrocatalysis. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 328-336.	0.6	62
138	Evaluation of the water-gas shift and CO methanation processes for purification of reformat gases and the coupling to a PEM fuel cell system. <i>Journal of Power Sources</i> , 2005, 145, 50-54.	4.0	62
139	Electrochemical and X-ray absorption spectroscopy studies of copper coatings on a hydrogen storage alloy. <i>Journal of Electroanalytical Chemistry</i> , 2005, 574, 251-260.	1.9	14
140	Studies of CO tolerance on modified gas diffusion electrodes containing ruthenium dispersed on carbon. <i>Journal of Electroanalytical Chemistry</i> , 2005, 575, 53-60.	1.9	38
141	The performance of carbon-supported PtOs electrocatalysts for the hydrogen oxidation in the presence of CO. <i>International Journal of Hydrogen Energy</i> , 2005, 30, 159-165.	3.8	12
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